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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/538,339	03/29/2000	KATSUYUKI NANBA	15162/01750	6182

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EXAMINER

SAJOUS, WESNER

ART UNIT

PAPER NUMBER

2672

DATE MAILED: 04/10/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No.

09/538,339

Applicant(s)

NANBA ET AL.

Examiner

Wesner Sajous

Art Unit

2672

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 3.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-9 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Yamazaki Koichi, patent No. JP09265470, hereinafter Koichi.

Considering claims 1-3, Koichi, fig. 3, discloses an information display device (5, fig. 1) comprises a display section (13, 15) which displays information stored in a storage medium (3); a first driving section (57) which drives the display section to write information thereon; a second driving section (51 & 53) which drives the storage medium to read information from the storage medium; a power source section (23, fig. 1) which supplies electric power to the first and second driving sections; and a control section (20) which inhibits the second driving section (51 & 53) from driving the storage medium (3) while the first driving section (57) performs a reset operation of the display section (13 & 15). It must be noted that the controller (20) cooperated with the CPU (30) is able to return the display to a reset mode when the page switching/displaying means and/or the page switching/displaying processing part (21, 22) of the information display device (5) is switching between pages and displaying the information displayed on the 1st and 2nd display part (13, 15) in each page unit; hence, inherently prohibit the

storage driver (51) to drive information from the storage medium (3) while driver (57) is resetting the display section (13, 15) for the display of more information. This process is noted to effect or slow down the power supply. Display section (13 & 15) uses liquid crystals that are capable of inherent making of color displays, and is effecting by the controller (20). See abstract of disclosures and pages 5 and 6 of the embodiments for meeting the characteristics of the aforementioned claimed features and/or possible motivations for obviousness.

As per claim 4, although the Koichi reference lacks explicit recitation for the claimed –power source section supplying electric power from a battery–, it is noted that it is well within the level of the ordinary skill in the art at the time of the invention to implement a battery as a mean to supply electric power. The information or player display device (5) is portable, and the use of battery power would make the device more flexible to operate.

Regarding claim 5, Koichi, fig. 3, discloses a method for displaying information (5) stored in a storage medium (3) on a liquid crystal display (13, 15) with a memory effect (*switching/displaying processing part 22 by means of controller 20*) comprises the steps of: reading information (51) from the storage medium (3) displaying the information on the liquid crystal display (13, 15); resetting the liquid crystal display in response to a command of writing on the liquid crystal (20/57); and inhibiting the reading of information from the storage medium during the reset of the liquid crystal display (20/{51, 53}/57). Method claim 5 is noted to recite features equivalent to and

performing the same function as in claim 1, and is, therefore, subject to rejections for the same rationales.

Considering claims 6-8, Koichi, fig. 3, discloses an information display device (5, fig. 1) comprises a display section (13, 15) which uses liquid crystal with a memory effect (*switching/displaying processing part 22 by means of controller 20*) and displays information stored in a storage medium (3); a sound reproducing section (59/61) which reproduces sound in accordance with information displayed on the display section (13, 15); a power source section (23, fig. 1) which supplies electric power to the display section and the sound reproducing section (59/61); a selecting section which selects a mode to perform writing of information on the display section at a specified speed (20/30/21/22/57); and a control section (20/30) which inhibits the sound reproducing section (59/61) from reproducing sound when the selecting section (20/30/21/22) selects the mode. Display section (13 & 15) uses liquid crystals that are capable of inherent making of color displays, and are effecting by the controller (20) which is capable of return the display to a reset mode when the page switching/displaying means and/or the page switching/displaying processing part (21, 22) of the information display device (5) is switching between pages. This process is noted to effect or slow down the power supply; hence, affecting the sound driver from reproducing sound in accordance with information displayed on the display section (13, 15). Once the page switching/displaying is resumed, the sound is no longer affected. See abstract of disclosures and pages 5 and 6 of the embodiments for meeting the characteristics of the aforementioned claimed features and/or possible motivations for obviousness.

Regarding claim 9, Koichi, fig. 3, discloses a method for displaying information (5) stored in a storage medium (3) on a liquid crystal display (13, 15) with a memory effect (*switching/displaying processing part 22 by means of controller 20*) comprises the steps of: reading information (51) from the storage medium (3) and displaying the information on the liquid crystal display (13, 15); reproducing sound (59/61) in accordance with information displayed on the display section (13, 15); receiving a command to write information on the liquid crystal display at a specified speed (*20/30/21/22/57*); and *inhibiting the reproduction of sound in response to the command (20/30)*. See abstract of disclosures and pages 5 and 6 of the embodiments for meeting the characteristics of the aforementioned claimed features and/or possible motivations for obviousness.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The references and patents recited in the PTO- 892 form are documents considered pertinent to applicants' disclosure.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703) 305-872-9314, (for **Technology Center 2600 only**)
or (703) 308-6606 (for informal or draft communications, please

Art Unit: 2672

label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121

Crystal Drive, Arlington, VA., Sixth Floor (Receptionist

Commissioner of Patents and Trademarks

Washington, DC 20231

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Wesner Sajous** whose telephone number is **(703) 308-5857**. The examiner can also be reached on Monday through Thursday and on alternate Fridays.

between 9:00AM to 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Razavi, can be reached at (703) 305-4713. The fax phone number for this group is (703) 308-6606.

Wesner Sajous - WOS

Patent Examiner, art unit 2672

March 23, 2001



MATTHEW LUU
PRIMARY EXAMINER